

04/04/01

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Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

NA

First Inventor

Juan F. de la Mora

Title

Method and apparatus to produce  
ions and nanodrops from Taylor cones at...

Express Mail Label No.

EF 090931166 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **19**]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **1**]
5. Oath or Declaration [Total Pages **3**]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. ....

Prior application information.

Examiner .....

Group Art Unit: .....

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under  
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒

Correspondence address below

Name

Juan F. de la Mora

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City

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CT

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USA

Telephone

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Fax

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Name (Print/Type)

JUAN F. DE LA MORA

Registration No. (Attorney/Agent)

NA

Signature

Date

3/4 April/2001

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Washington, DC 20231.

11033 U.S. PTO

09/826341

04/04/01

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 355

## Complete if Known

Application Number NA  
Filing Date  
First Named Inventor Juan F. de la Mora  
Examiner Name  
Group Art Unit  
Attorney Docket No.

## METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number  
Deposit Account Name

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Fee Fee Fee Fee Description  
Code (\$) Code (\$)

101 710 201 355 Utility filing fee  
106 320 206 160 Design filing fee  
107 490 207 245 Plant filing fee  
108 710 208 355 Reissue filing fee  
114 150 214 75 Provisional filing fee

Fee Paid

355

SUBTOTAL (1) (\$) 355

### 2. EXTRA CLAIM FEES

Total Claims 12 -20\*\* = 0 X Fee from below = 0  
Independent Claims 2 -3\*\* = 0 X Fee Paid = 0  
Multiple Dependent = 0

Large Entity Small Entity

Fee Fee Fee Fee Fee Description  
Code (\$) Code (\$)

103 18 203 9 Claims in excess of 20  
102 80 202 40 Independent claims in excess of 3  
104 270 204 135 Multiple dependent claim, if not paid  
109 80 209 40 \*\* Reissue independent claims over original patent  
110 18 210 9 \*\* Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$) 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code | Small Entity Fee Code | Fee Description  | Fee Paid |
|-----------------------|-----------------------|--|----------|
| 105 130               | 205 65                | Surcharge - late filing fee or oath  |          |
| 127 50                | 227 25                | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139 130               | 139 130               | Non-English specification  |          |
| 147 2,520             | 147 2,520             | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112 920*              | 112 920*              | Requesting publication of SIR prior to Examiner action                     |          |
| 113 1,840*            | 113 1,840*            | Requesting publication of SIR after Examiner action                        |          |
| 115 110               | 215 55                | Extension for reply within first month                                     |          |
| 116 390               | 216 195               | Extension for reply within second month                                    |          |
| 117 890               | 217 445               | Extension for reply within third month                                     |          |
| 118 1,390             | 218 695               | Extension for reply within fourth month                                    |          |
| 128 1,890             | 228 945               | Extension for reply within fifth month                                     |          |
| 119 310               | 219 155               | Notice of Appeal   |          |
| 120 310               | 220 155               | Filing a brief in support of an appeal                                     |          |
| 121 270               | 221 135               | Request for oral hearing   |          |
| 138 1,510             | 138 1,510             | Petition to institute a public use proceeding                              |          |
| 140 110               | 240 55                | Petition to revive - unavoidable   |          |
| 141 1,240             | 241 620               | Petition to revive - unintentional   |          |
| 142 1,240             | 242 620               | Utility issue fee (or reissue)   |          |
| 143 440               | 243 220               | Design issue fee   |          |
| 144 600               | 244 300               | Plant issue fee  |          |
| 122 130               | 122 130               | Petitions to the Commissioner  |          |
| 123 50                | 123 50                | Processing fee under 37 CFR 1.17(q)  |          |
| 126 180               | 126 180               | Submission of Information Disclosure Stmt                                  |          |
| 581 40                | 581 40                | Recording each patent assignment per property (times number of properties) |          |
| 146 710               | 246 355               | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149 710               | 249 355               | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179 710               | 279 355               | Request for Continued Examination (RCE)                                    |          |
| 169 900               | 169 900               | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

## SUBMITTED BY

|                   |                   |                                   |    |                          |              |
|-------------------|-------------------|-----------------------------------|----|--------------------------|--------------|
| Name (Print/Type) | Juan F de la Mora | Registration No. (Attorney/Agent) | NA | Complete (if applicable) | Telephone    |
| Signature         |                   |                                   |    | Date                     | 203-432-4347 |
|                   |                   |                                   |    |                          | 3-April-2001 |

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Assistant Commissioner for Patents  
Washington DC 20231

4/April/2001

Re: Patent Application

Dear Assistant Commissioner for Patents:

On behalf of the inventors named, I enclose an application for a Utility Patent with the following title and inventors:

Title

Method and apparatus to produce ions and nanodrops from Taylor cones at reduced pressure

Inventors: Juan Fernandez de la Mora, New Haven, Conn.; Manuel Gamero-Castaño, Framingham, Mass; Manuel Martinez-Sanchez, Lexington, Mass.

We do have status of small entity and have therefore included the corresponding fee of \$355. Please note that the title and the ordering of authors has changed slightly with respect to the Provisional Patent Application number 60/194,906 for which the present application claims priority. That Provisional Patent Application was filed on April/6/2000, by inventors Manuel Gamero-Castaño, Juan Fernandez de la Mora and Manuel Martinez-Sanchez, under the title "Method and apparatus to produce ions and nanodrops with controllable mass/charge from Taylor cones at reduced pressure"

Yours sincerely



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